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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/768,793

01/29/2004

Michael Dayoub

7123

38507

7590

08/24/2005

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EXAMINER

PHAM, LAM P

ART UNIT

PAPER NUMBER

2636

DATE MAILED: 08/24/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/768,793	Applicant(s) DAYOUB, MICHAEL	
	Examiner Lam P. Pham	Art Unit 2636	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 28 June 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-24 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-5, 7-11 and 17-21 is/are rejected.
- 7) ☒ Claim(s) 6, 12-16 and 22-24 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-5 rejected under 35 U.S.C. 102(b) as being anticipated by Stark et al. (US 5625345).

Regards claim 1, Stark discloses a smoke detecting power strip (122 and 124) comprising:

smoke detector vent holes (42);

one male A/C power plug (prong 60);

an ionization sensor smoke detector (46, 32, 122);

a smoke detection control switch (110);

and at least one female AC power plug (86, 134) as seen in Figures 1, 7; col. 3, lines 9-32; col. 5, lines 7-67; col. 6, lines 1-19.

Regards claim 2, Stark discloses there is any number and configuration of female A/C power plugs as available on the market.

Regards claim 3, Stark discloses further comprising the method of automatic power shutoff to the female AC power plugs, comprising the steps of:

(a) detecting smoke by the ionization sensor smoke detector;

(b) creating a trigger voltage (voltage change at the comparator);

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(c) said trigger voltage causing the smoke detection control switch to move to the 'open' position;

(d) said 'open' position automatically cutting off power to the female A/C power plugs as seen in Figures 1 and 7; col. 5, lines 35-67; col. 6, lines 1-19.

Regards claim 4, Stark disclose a smoke detecting power strip comprising:

smoke detector vent holes;

one male A/C power plug;

an ionization sensor smoke detector;

a smoke detection control switch;

an Uninterruptible Power Source (power supply 58);

and at least one female A/C power plug; see claim 1 for explanation.

Regards claim 5, Stark discloses there is any number and configuration of female AC power plugs; see claim 2.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 7-9, 10-11, 17-21 rejected under 35 U.S.C. 103(a) as being unpatentable over Stark et al.

Regards claim 7, Stark disclose a smoke detecting power strip comprising:

smoke detector vent holes;
one male AC power plug;
an ionization sensor smoke detector;
a smoke detection control switch;
and at least one female A/C power plug; see claim 1 for explanation.

Stark fail to disclose the smoke detector is a photodiode sensor smoke detector. However, it has been well known in the art of smoke detector to use photodiode sensor in a beam interference smoke detector for receiving light scattered due to smoke particles interfering with a light beam as an alternative to the ionization sensor smoke detector. Thus, it would have been obvious to one of ordinary skilled in the art to alternatively use a photodiode sensor in the smoke detector for detecting the presence of smoke.

Regards claim 8, Stark disclose there is any number and configuration of female AC power plugs; see claim 2 for explanation.

Regards claim 9, Stark disclose further comprising the method of automatic power shutoff to the female A/C power plugs, comprising the steps of:

- (a) detecting smoke by the photodiode sensor smoke detector
- (b) creating a trigger voltage;
- (c) said trigger voltage causing the smoke detection control switch to move to the 'open' position;
- (d) said 'open' position automatically cutting off power to the female A/C power plugs; see claim 3 for explanation.

Regards claim 10, Stark disclose a smoke detecting power strip comprising:

smoke detector vent holes;

one male AC power plug;

a photodiode sensor smoke detector;

a smoke detection control switch;

an Uninterruptible Power Source (power supply 58);

and at least one female A/C power plug; see claim 4 for explanation.

Regards claim 11, Stark disclose there is any number and configuration of female A/C power plugs see claim 2 for explanation.

Regards claim 17, Stark disclose a smoke detecting power strip comprising:

smoke detector vent holes;

one male A/C power plug;

a smoke detector;

a smoke detection control switch;

and at least one female A/C power plug; see claim 1 for explanation.

Stark fail to disclose the smoke detector is a beam interference smoke detector.

However, it has been well known in the art of smoke detector to use a beam interference smoke detector for detecting light scattered due to smoke particles interfering with a light beam as an alternative to the ionization sensor smoke detector. Thus, it would have been obvious to one of ordinary skilled in the art to alternatively use a photodiode sensor in the smoke detector for detecting the presence of smoke.

Regards claim 18, Stark disclose there is any number and configuration of female A/C power plugs.

Regards claim 19, Stark disclose further comprising the method of automatic power shutoff to the female A/C power plugs, comprising the steps of:

- (a) detecting smoke by the beam interference smoke detector
- (b) creating a trigger voltage
- (c) said signal causing the smoke detection control switch to move to the 'open' position;
- (d) said 'open' position causing the cut off of power to the female AC power plugs.

Regards claim 20, Stark disclose a smoke detecting power strip comprising:
smoke detector vent holes;
one male AC power plug;
a smoke detector;
a smoke detection control switch;
an Uninterruptible Power Source (58);
and at least one female AC power plug; see claim 1 for explanation.

Stark fail to disclose the smoke detector is a beam interference smoke detector. However, it has been well known in the art of smoke detector to use a beam interference smoke detector for detecting light scattered due to smoke particles interfering with a light beam as an alternative to the ionization sensor smoke detector.

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Thus, it would have been obvious to one of ordinary skilled in the art to alternatively use a photodiode sensor in the smoke detector for detecting the presence of smoke.

Regards claim 21, Stark disclose there is any number and configuration of female A/C power plugs; see claim 2 for explanation.

Allowable Subject Matter

5. Claims 6, 12, 13-16, 22-24 objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Kadwell et al. (US 6225910) disclose a smoke detector with photodiode-beam interference sensor.

Wiemeyer et al. (US 5617077) disclose a smoke detector.

Kramer (US 6666712) disclose a portable outlet.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lam P. Pham whose telephone number is 571-272-2977. The examiner can normally be reached on 9AM-6PM.

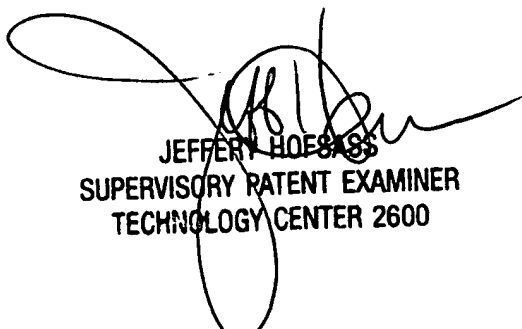
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jeffery A. Hofsass can be reached on 571-272-2981. The fax phone

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number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Lam Pham
August 18, 2005.



JEFFERY HOESL
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